

<b>IH 94: USH 18 TO CTH O (WAUKESHA COUNTY)                  NIGHTTIME 2 LANE CLOSURE                  NO DIVERSION (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY WESTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR						AVERAGE SPEEDS IN MPH				
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE		
MID-1 AM	884	0.0	1500	884	0	0.57	0	69.6	58.2	42.1	
1-2 AM	600	0.0	1500	600	0	0.54	0	70.0	59.0	43.2	
2-3 AM	260	0.0	1500	260	0	0.50	0	70.2	59.8	44.5	
3-4 AM	194	0.0	1500	194	0	0.50	0	70.2	59.9	44.7	
4-5 AM	106	0.0	1500	106	0	0.49	0	70.2	60.1	45.1	
5-6 AM	174	0.0	1500	174	0	0.49	0	70.2	60.0	44.8	
6-7 AM	279	0.0	1500	279	0	0.51	0	70.2	59.7	44.3	
7-8 AM	773	0.0	1500	773	0	0.56	0	69.8	58.5	42.5	
8-9 AM	852	0.0	1500	852	0	0.57	0	69.7	58.3	42.2	
9-10 AM	1820	0.0	OFF	1820	0	0.00	0	68.5	68.5	68.5	
10-11 AM	2218	0.0	OFF	2218	0	0.00	0	68.0	68.0	68.0	
11AM-NOON	2503	0.0	OFF	2503	0	0.00	0	67.6	67.6	67.6	
NOON-1PM	3413	0.0	OFF	3413	0	0.00	0	66.5	66.5	66.5	
1-2 PM	3578	0.0	OFF	3578	0	0.00	0	66.3	66.3	66.3	
2-3 PM	3368	0.0	OFF	3368	0	0.00	0	66.6	66.6	66.6	
3-4 PM	3443	0.0	OFF	3443	0	0.00	0	66.4	66.4	66.4	
4-5 PM	3491	0.0	OFF	3491	0	0.00	0	66.4	66.4	66.4	
5-6 PM	3301	0.0	OFF	3301	0	0.00	0	66.6	66.6	66.6	
6-7 PM	2989	0.0	OFF	2989	0	0.00	0	67.0	67.0	67.0	
7-8 PM	2158	0.0	1499	1917	241	11.83+	304	68.1	13.7	30.8	
8-9 PM	1585	0.0	1500	1461	124	16.20+	395	68.7	10.6	30.8	
9-10 PM	1266	0.0	1499	1266	0	11.13	275	69.2	14.5	31.2	
10-11 PM	1120	0.0	1500	1120	0	1.61	35	69.4	44.8	38.1	
11PM-MID	537	0.0	1500	537	0	0.54	0	70.0	59.1	43.3	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0221
MAIN ROUTE WITH WORKS	0.0212
'DIVERSION'	0.0005
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$18,286
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding User-Specified Maximum

**IH 94: USH 18 TO CTH O (WAUKESHA COUNTY)  
 NIGHTTIME 2 LANE CLOSURE  
 NO DIVERSION (MAX QUEUE METHOD)**

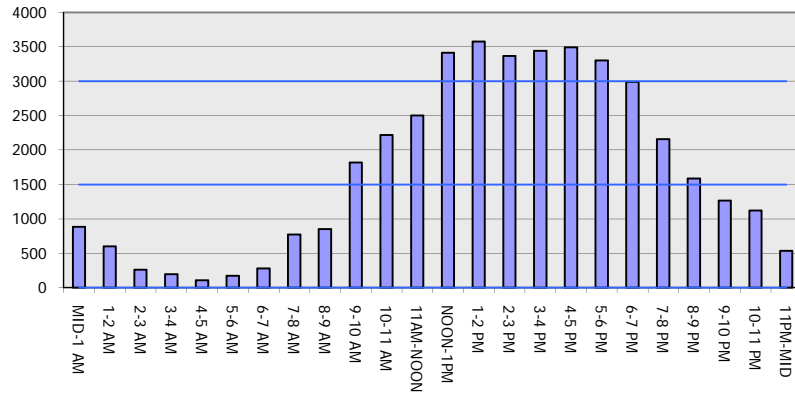
**AUGUST**

Analyzed for 2009  
 Construction Season

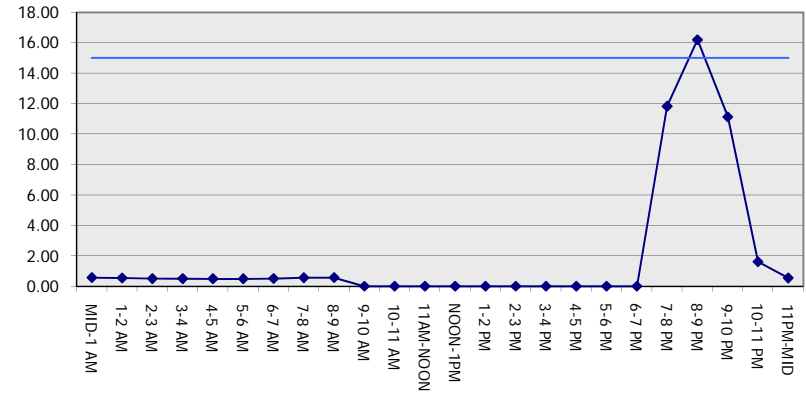
**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**SUNDAY WESTBOUND DIRECTION**

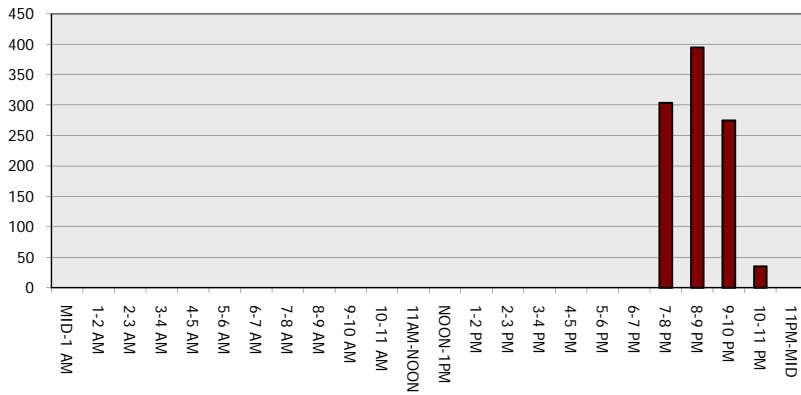
**Main Route - Traffic Demand (Vehicles Per Hour)**



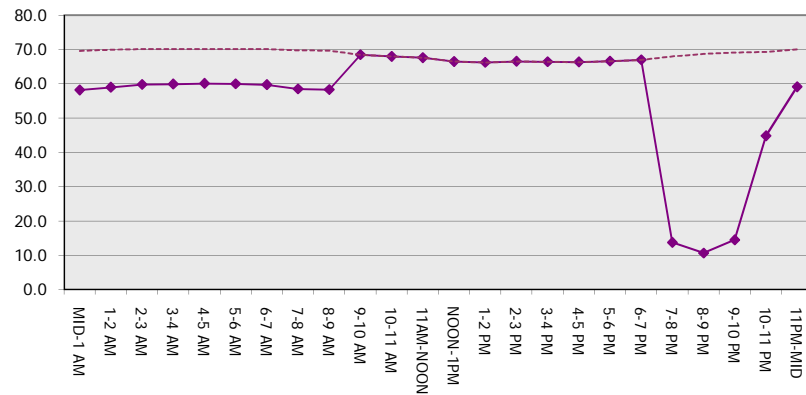
**Main Route Average Delay Per Vehicle (Minutes)**



**Main Route - Average Queue Length (Vehicles)**



**Main Route - Average Speed (MPH)**



<b>IH 94: USH 18 TO CTH O (WAUKESHA COUNTY)                  NIGHTTIME 2 LANE CLOSURE                  NO DIVERSION (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR						AVERAGE SPEEDS IN MPH			
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	609	0.0	1500	609	0	0.54	0	70.0	58.9	43.1
1-2 AM	306	0.0	1500	306	0	0.51	0	70.2	59.7	44.3
2-3 AM	143	0.0	1500	143	0	0.49	0	70.2	60.1	44.9
3-4 AM	132	0.0	1500	132	0	0.49	0	70.2	60.1	45.0
4-5 AM	100	0.0	1500	100	0	0.48	0	70.2	60.1	45.1
5-6 AM	136	0.0	1500	136	0	0.49	0	70.2	60.1	45.0
6-7 AM	252	0.0	1500	252	0	0.50	0	70.2	59.8	44.5
7-8 AM	684	0.0	1500	684	0	0.55	0	69.9	58.7	42.8
8-9 AM	847	0.0	1500	847	0	0.57	0	69.7	58.3	42.2
9-10 AM	1848	0.0	OFF	1848	0	0.00	0	68.4	68.4	68.4
10-11 AM	2375	0.0	OFF	2375	0	0.00	0	67.8	67.8	67.8
11AM-NOON	2930	0.0	OFF	2930	0	0.00	0	67.1	67.1	67.1
NOON-1PM	3583	0.0	OFF	3583	0	0.00	0	66.3	66.3	66.3
1-2 PM	3660	0.0	OFF	3660	0	0.00	0	65.8	65.8	65.8
2-3 PM	3506	0.0	OFF	3506	0	0.00	0	66.4	66.4	66.4
3-4 PM	3479	0.0	OFF	3479	0	0.00	0	66.4	66.4	66.4
4-5 PM	3708	0.0	OFF	3708	0	0.00	0	65.5	65.5	65.5
5-6 PM	3567	0.0	OFF	3567	0	0.00	0	66.3	66.3	66.3
6-7 PM	3388	0.0	OFF	3388	0	0.00	0	66.5	66.5	66.5
7-8 PM	2541	0.0	1499	1782	759	13.42+	335	67.6	12.4	35.0
8-9 PM	2059	0.0	1499	1609	450	15.92+	389	68.2	10.8	30.8
9-10 PM	1618	0.0	1500	1509	109	16.29+	397	68.7	10.6	30.8
10-11 PM	1260	0.0	1499	1260	0	12.59+	315	69.2	13.1	31.6
11PM-MID	488	0.0	1500	488	0	0.81	13	70.1	54.8	43.5

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0234
MAIN ROUTE WITH WORKS	0.0220
'DIVERSION'	0.0017

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$29,201
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding User-Specified Maximum

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**NIGHTTIME 2 LANE CLOSURE**  
**NO DIVERSION (MAX QUEUE METHOD)**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY EASTBOUND DIRECTION**

